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Substitute Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7 Attorney Docket Number 11138.105030 MAYO 1003 CON

3466560 1.DOC

Class 541

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clmns, Lns, Where Relevant Passages/Relevant Figs Appear
		Number	Kind Code (if known)			
	AA	3,627,788	A	Bouchaudon	11-27-1968	
	AB	3,936,440	A	Nath	02-03-1976	
	AC	3,981,863	A	Niswender et al.	09-21-1976	
	AD	4,209,614	A	Bernstein et al.	06-24-1980	
	AE	4,279,859	A	Gutcho et al.	07-21-1981	
	AF	4,283,342	A	Yollees	08-11-1981	
	AG	4,301,140	A	Frank et al.	11-17-1981	
	AH	4,465,775	A	Houts	08-14-1984	
	AI	4,612,302	A	Szabo et al.	09-16-1986	
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	AL	5,308,606	A	Wilson et al.	05-03-1994	
	AM	5,405,598	A	Schinazi et al.	08-11-1995	
	AN	5,405,839	A	Toraya et al.	04-11-1995	
	AO	5,428,023	A	Russell-Jones et al.	06-27-1995	
	AP	5,449,720	A	Russell-Jones et al.	09-12-1995	
	AQ	5,462,724	A	Schinazi et al.	10-31-1995	
	AR	5,514,695	A	Bergeron	05-07-1996	
	AS	5,548,064	A	Russell-Jones et al.	08-20-1996	
	AT	5,574,018	A	Habberfield et al.	11-12-1996	
	AU	5,589,463	A	Russell-Jones et al.	12-31-1996	
	AV	5,599,796	A	Schinazi et al.	02-04-1997	
	AW	5,608,060	A	Axworthy et al.	03-04-1997	
	AX	5,739,313	A	Collins et al.	04-14-1998	
	AY	5,807,832	A	Russell-Jones et al.	09-15-1998	
	AZ	5,840,880	A	Morgan, Jr. et al.	11-24-1998	
	AAA	5,869,465	A	Morgan, Jr. et al.	02-09-1999	
	AAB	5,869,466	A	Russell-Jones et al.	02-09-1999	
	AAC	5,872,107	A	Schinazi et al.	02-16-1999	
	AAD	5,877,165	A	Miura et al.	03-02-1999	
	AAE	5,936,082	A	Bauer	08-10-1999	

Examiner Signature		Date Considered	2/18/05
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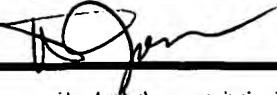
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Submitted for form 1449/PTO				Complete if Known	
				Application Number	10/785,266
				Filing Date	February 24, 2004
				First Named Inventor	Collins et al.
				Group Art Unit	Unassigned 1616
				Examiner Name	Unassigned D. Jones
Sheet	2	of	7	Attorney Docket Number	11138.105030 MAYO 1003 CON

3466560 1.DOC

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	BA	6,004,533	A	Collins et al.	12-21-1999
	BB	6,074,625	A	Hawthorne et al.	06-13-1900
	BC	6,083,926	A	Morgan et al.	07-04-2000
	BD	6,083,966	A	Bergeron, Jr.	07-04-2000
	BE	6,096,290	A	Collins et al.	08-01-2000
	BF	6,150,341	A	Russell-Jones, et al.	11-21-2000
	BG	6,180,766	B1	Schinazi et al.	01-30-2001
	BH	6,211,355	B1	Collins et al.	04-03-2001
	BI	6,262,253	B1	Russell-Jones, et al.	07-17-2001
	BJ	6,315,978	B1	Grissom et al.	11-13-2001
	BK	2002/0042394	A1	Hogenkamp et al.	04-11-2002
	BL	2002/0049155	A1	Hogenkamp	04-25-2002
	BM	2002/0151525	A1	Collins et al.	10-17-2002
	BN	2003/0018009	A1	Collins	01-23-2003
	BO	2003/0144198	A1	Collins	07-31-2003
	BP	6,613,305	A1	Collins et al.	09-02-2003

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Examiner Initials *	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ²	Number		
	BQ	AU	04490099	Biotech Australia Pty. Ltd.	01-05-2000
	BR	DE	1,811,518	Rhone-Poulenc S.A. [Bouchaudon Chem. Abstr. 71:9186s (1969)]	07-10-1969
	BS	EP	0 005 834	E.R. Squibb & Sons, Inc.	12-12-1979
	BT	EP	0 069 450	Technicon Instruments Corp.	01-12-1983
	BU	EP	0 165 716	Micromedic Systems Inc.	12-27-1985
	BV	JP	58-046027	Nippon Meijifuijitsukusu KK	03-17-1983
	BW	WO	89/01475	Celltech Ltd.; Parker; Millican	02-23-1989
	BX	WO	92/09610	University of California	06-11-1992
	BY	WO	92/13571	Dow Chemical Company	08-20-1992
	BZ	WO	94/27613	Biotech Australia Pty. Ltd. et al.	12-08-1994
	BAA	WO	94/27641	Biotech Australia Pty. Ltd. et al.	12-08-1994
	BAB	WO	95/27723	Morgan; Wilbur; Pathare	10-19-1995

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				Group Art Unit	Unassigned 1616
				Examiner Name	Unassigned D. Jones
Sheet	3	of	7	Attorney Docket Number	11138.105030 MAYO 1003 CON

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		Office	Number				
	CA	WO	96/04016	A1	Amgen Inc.	02-15-1996	
	CB	WO	96/27641	A1	BioTech Australia	12-08-1994	
	CC	WO	96/31243	A1	The DuPont Merck Pharm. Co.	10-10-1996	
	CD	WO	97/14711	A1	Receptagen; Univ. Washington	04-24-1997	
	CE	WO	97/18231	A1	Regents of Univ. Minnesota	05-22-1997	
	CF	WO	97/33627	A2	The DuPont Merck Pharm. Co.	09-18-1997	
	CG	WO	98/08859	A1	Univ. Utah Res. Found.	03-05-1998	
	CH	WO	99/65930	A1	Biotech Australia Pty. Ltd.	12-23-1999	
	CI	WO	00/45857	A2	Schering AG	08-10-2000	
	CJ	WO	00/62808	A2	Univ. Minnesota	10-26-2000	
	CK	WO	00/74721	A1	Biotech Australia Pty. Ltd.	12-14-2000	
	CL	WO	01/28592	A1	Mayo Found.; U. Minnesota	04-26-2001	
	CM	WO	01/28595	A1	Mayo Found.; U. Minnesota	04-26-2001	
	CN	WO	01/30967	A2	Univ. Utah Res. Found. et al.	05-03-2001	
	CO	WO	01/92283	A2	Mayo Found.; U. Minnesota	12-06-2001	
	CP	WO	01/92288	A2	Collins; Mayo Found.; U. Minn.	12-06-2001	
	CQ	WO	02/042318	A2	Collins; Mayo Found.; U. Minn.	05-30-2002	
	CR	WO	02/055530	A2	Mayo Found.; U. Minnesota	07-18-2002	
	CS	WO	03/000010	A2	Collins	01-21-2003	
	CT	WO	03/025139	A2	Mayo Found.	03-27-2003	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T S Subj
	CU	ALAM, G. et al., "Boronated compounds for neutron capture therapy," <i>Strahlentherapie und Onkologie</i> , 165(2/3):121-123 (1989).	
	CV	ALLEN, R.H., et al., "Isolation of gastric vitamin B ₁₂ -binding proteins using affinity chromatography," <i>J. Biol. Chem.</i> , 248(10):3660-3669 (May 25, 1973).	
	CW	ALLEN, R.H., et al., "Isolation of vitamin B ₁₂ -binding proteins using affinity chromatography," <i>J. Biol. Chem.</i> , 247(23):7695-7701 (December 10, 1972).	
	CX	AMAGASAKI, T., et al., "Expression of transcobalamin II receptors by human leukemia K562 and HL-60 cells," <i>Blood</i> , 76(7):1380-1386, (October 1, 1990).	

Examiner Signature		Date Considered	2/18/05
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet

4

of

7

Complete if Known

Application Number	10/785,266
Filing Date	February 24, 2004
First Named Inventor	Collins <i>et al.</i>
Group Art Unit	Unassigned 1614
Examiner Name	Unassigned <i>D. Jones</i>

Attorney Docket Number 11138.105030 MAYO 1003 CON

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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<i>DJ</i>	DA	ANTON, D.L., <i>et al.</i> , "Carbon-13 nuclear magnetic resonance studies of the monocarboxylic acids of cyanocobalamin. Assignments of the B-, D-, and E-monocarboxylic acids," <i>J. Am. Chem. Soc.</i> , 102(7):2215-2219 (March 26, 1980).	
<i>DJ</i>	DB	ANTON, D.L., <i>et al.</i> , "The synthesis and properties of four spin-labeled analogs of adenosylcobalamin," <i>J. Biol. Chem.</i> , 255(10):4507-4510 (May 25, 1980).	
	DC	BEGLEY, J.A., <i>et al.</i> , "Cobalamin metabolism in cultured human chorionic villus cells," <i>J. Cell Physiol.</i> , 156(1):43-47 (July 1993).	
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	DE	BLOMQUIST, L., <i>et al.</i> , "Uptake of labelled vitamin B 12 and 4-iodophenylalanine in some tumors of mice," <i>Experientia</i> , 25(3):294-296 (March 15, 1969).	
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	DG	BROAN, C. J., <i>et al.</i> , "Synthesis and complexation behaviour of an effective octadentate complexone 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetrakis[methylene(methylphosphinic acid)]," <i>J. Chem. Soc. Chem. Comm.</i> , 23:1739-1741 (1990).	
	DH	COLLINS, D.A., <i>et al.</i> , "Transcobalamin II receptor imaging via radiolabeled diethylene-triaminepentaacetate cobalamin analogs," <i>J. Nucl. Med.</i> , 38(5):717-723 (May 1997).	
	DI	COLLINS, D.A., <i>et al.</i> , "Tumor imaging via indium 111-labeled DTPA-adenosylcobalamin," <i>Mayo Clinic Proc.</i> , 74(7):687-691 (July 1999).	
	DJ	COOPER, B.A., <i>et al.</i> , "Selective uptake of specifically bound cobalt-58 vitamin B12 by human and mouse tumour cells," <i>Nature</i> , 191, 393-395 (July 1961).	
	DK	De JONG, M., <i>et al.</i> , "Radionuclide therapy using radiolabeled somatostatin analogs in tumor-bearing rats," in Scientific Papers (June 9, 1999), Proc. of the 46 th Annual Meeting of the Society of Nuclear Medicine (Los Angeles, California, June 6-10, 1999), <i>J. Nuc. Med.</i> , 40(5):102, Abstract no. 414 (May 1999 supplement).	
<i>WJ</i>	DL	ELLENBOGEN, L., "Absorption and transport of cobalamin: Intrinsic factor and the transcobalamins," <i>Cobalamin: Biochemistry and Pathophysiology</i> , Babior, Ed., Wiley, New York (1975), Chapter 5.	
<i>WJ</i>	DM	FAIRCHILD, R.G., <i>et al.</i> , "Current status of 10-B-neutron capture therapy: enhancement of tumor dose via beam filtration and dose rate, and the effects of these parameters on minimum boron content: A theoretical evaluation," <i>Int. J. Radiation Oncology, Biology, Physics</i> , 11(4):831-840 (April 1985).	

Examiner Signature

D. Jones

Date Considered

2/18/25

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Submitted for form 1449/PTO				Complete if Known	
				Application Number	10/785,266
				Filing Date	February 24, 2004
				First Named Inventor	Collins <i>et al.</i>
				Group Art Unit	Unassigned <i>j1014</i>
				Examiner Name	Unassigned <i>no Jones</i>
Sheet	5	of	7	Attorney Docket Number	11138.105030 MAYO 1003 CON

3466560 1.DOC

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 6
<i>TD</i>	EA	FINKLER, A.E., <i>et al.</i> , "Nature of the relationship between vitamin B12 binding and cell uptake," <i>Arch. Biochem. Biophys.</i> , 120(1):79-85 (April 1967).	
<i>TD</i>	EB	FLODH, H., <i>et al.</i> , "Accumulation of labelled vitamin B12 in some transplanted tumours," <i>Int. J. Cancer</i> , 3(5):694-699 (September 15, 1968).	
	EC	GABEL, D., "Tumor-Seeking Compounds for Boron Neutron Capture Therapy: Synthesis and Biodistribution," <i>Clinical Aspects of Neutron Capture Therapy</i> , Ralph G. Fairchild <i>et al.</i> , eds.; Plenum Press, New York, (undated), 233-241. <i>1987</i>	
	ED	GABEL, D., <i>et al.</i> , "Monte Carlo simulation of the biological effect of the ¹⁰ B(n, α) ⁷ Li reaction in cells and tissue and its implication for boron neutron capture therapy," <i>Radiation Research</i> , 111:14-25 (1987).	
	EE	HALL, C.A., <i>et al.</i> , "Cyclic activity of the receptors of cobalamin bound to transcobalamin II," <i>J. Cell Physiol.</i> , 133(1):187-191 (October 1987).	
	EF	HATANAKA, H., "A revised boron-neutron capture therapy for malignant brain tumors," <i>Journal of Neurology</i> , 209:81-94 (1975).	
	EG	HATANAKA, H., <i>et al.</i> , "Chapter XXV: Clinical Experience of Boron-Neuron Capture Therapy for Gliomas -- A Comparison with Conventional Chemo-Immuno-Radiotherapy," pp. 349-379. (undated)	
	EH	HAWTHORNE, M.F., <i>et al.</i> , "Preparation of tumor-specific boron compounds. 1. <i>In vitro</i> studies using boron-labeled antibodies and elemental boron as neutron target(s)," <i>Journal of Medicinal Chemistry</i> , 35(5):449-452 (1992).	
	EI	HOGENKAMP, H. <i>et al.</i> , "Synthesis and Characterization of nido-Carborane-Cobalamin Conjugates," <i>Nucl. Med. & Biol.</i> , 27:89-92 (2000).	
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	EK	HOGENKAMP, H.P.C., <i>et al.</i> , "Carbon-13 nuclear magnetic resonance studies of adenosylcobalamin and alkylcortinoids, selectively enriched with carbon-13," <i>Biochemistry</i> , 14(16):3707-3714 (1975).	
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	EM	JACOBSEN, D.W., <i>et al.</i> , "Rapid purification of cobalamin-binding proteins using immobilized aminopropylcobalamin," <i>Anal. Biochem.</i> , 113:164-171 (1981).	
<i>TD</i>	EN	KIKUGAWA, K., <i>et al.</i> , "Direct halogenation of sugar moiety of nucleosides," <i>Tetrahedron Letters</i> , 1971(2):87-90 (1971).	
<i>TD</i>	EO	KAHL, S.B., <i>et al.</i> , "Chemical and biological studies on boronated tetraphenyl porphyrins," <i>Boron Chemistry</i> , 61-67	

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<i>D</i>	FA	LASTER, B.H., <i>et al.</i> , "Biological efficacy of a boronated porphyrin as measured in cell culture," <i>Strahlentherapie und Onkologie</i> , 165(2/3):203-205 (1989).	
	FB	LINDEMANS, J., <i>et al.</i> , "Uptake of transcobalamin II-bound cobalamin by HL-60 cells: effects of differentiation induction," <i>Experimental Cell Research</i> , 184(2):449-460 (Oct. 1989).	
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				Group Art Unit	Unassigned 1610
				Examiner Name	Unassigned D. Jones
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	GA	ORDER, S.E., et al., "Use of isotopic immunoglobulin in therapy," <i>Cancer Res.</i> , 40:3001-3007 (August 1980)	
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